

# WMO OMM

WEATHER CLIMATE WATER  
TEMPS CLIMAT EAU



World Meteorological Organization  
Organisation météorologique mondiale  
Organización Meteorológica Mundial  
Всемирная метеорологическая организация  
المنظمة العالمية للأرصاد الجوية  
世界气象组织

## Secrétariat

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11 juillet 2018

Annexes: 3 (disponibles en anglais seulement)

Objet: Troisième cours international de formation sur l'analyse du climat et les applications climatologiques (Ankara, Turquie, 15–19 octobre 2018)

Suite à donner: Pour information et mesures à prendre, le cas échéant

Madame, Monsieur,

J'ai le plaisir de vous annoncer que la Turquie accueillera du 15 au 19 octobre 2018 un cours international de formation sur l'analyse du climat et les applications climatologiques, qui aura lieu dans les locaux du Centre régional de formation professionnelle de l'OMM (CRFP), à Ankara.

Ce cours, qui se déroulera en anglais, vise à renforcer les connaissances et à développer l'expérience du personnel d'encadrement dans les domaines de la recherche, des applications et de l'exploitation climatologiques. Le cours portera notamment sur des aspects pratiques et théoriques nécessaires pour comprendre le système climatique ainsi que sur des méthodes d'analyse du climat et des applications climatologiques. L'accent sera mis sur les observations climatologiques, les jeux de données sur le climat, les analyses climatologiques mensuelles et saisonnières, les évaluations annuelles du climat, la classification des climats, les indices climatologiques, les degrés-jours de chauffage et de refroidissement, l'évaluation des changements climatiques et les projections relatives à ceux-ci. Vous trouverez ci-joint de plus amples informations sur ce cours et sur les modalités d'inscription ainsi que le programme provisoire.

Les participants seront exonérés des droits d'inscription et le Service météorologique turc prendra à sa charge l'hébergement en pension complète (hôtel, petit déjeuner, déjeuner et dîner) et les transferts entre l'aéroport et l'hôtel pour seulement un participant de chaque pays admis au cours. Le Service météorologique n'assumera aucune autre dépense (indemnité journalière de subsistance, frais de voyage nationaux et internationaux, frais de transit, frais de visa, etc.), tous les autres frais étant à la charge des participants eux-mêmes ou de leurs gouvernements respectifs.

Les personnes intéressées sont priées de remplir le formulaire d'inscription ci-joint, qui doit être approuvé par le représentant permanent de leurs pays respectifs, et de l'envoyer directement au CRFP en Turquie (Mme Nur Söğütçüklü, [nsogutcuklu@mgm.gov.tr](mailto:nsogutcuklu@mgm.gov.tr)) d'ici au **10 septembre 2018**.

Veuillez agréer, Madame, Monsieur, l'expression de ma considération distinguée.

(W. Zhang)

pour le Secrétaire général

Aux: Représentants permanents (ou directeurs des Services météorologiques ou hydrométéorologiques) des Membres de l'OMM

cc: Conseillers en hydrologie auprès des représentants permanents

## **3<sup>rd</sup> INTERNATIONAL TRAINING COURSE ON**

### **“CLIMATE ANALYSIS AND APPLICATIONS”**

**15-19 OCTOBER 2018**

**ANKARA, TURKEY**

#### **GENERAL INFORMATION**

This training course aims at enhancing knowledge and experience of professional staff in operational climatology, climate research and applications. The scope of the course includes theoretical and practical aspects for understanding the climate system and methodologies for climate analysis and applications. Focus will be made on climate observations, climate data sets, monthly and seasonal climate analyses, annual climate assessment, climate classification, climate indices, heating and cooling degree days, climate change assessment and projections. Tools such as GIS and its use in climate applications as well as regional climate modeling, etc. will also be addressed. The course will provide the opportunity to make participants familiar with the existing WMO publications relevant to best practices in operational climatology and climate science.

#### **Objectives of the Training Course**

Training Course on Climate Analysis and Applications provides an understanding of climate system, climate variability and change, climate observation and networks including in-situ and remote sensing, climate data, climate monitoring and assessment. In addition to that, this training will provide an opportunity to exchange information/knowledge and experience and use of climate toolkit.

- Climate Service Information Systems (CSIS)
- Climate Service Toolkit (CPT, RClmDex, CLIMPACT, etc.)
- GIS applications for Climate Analysis (mapping, modeling, etc.)
- The quality management and competencies for climate services
- Needs to meet better climate information and services for climate change adaptation and mitigation

#### **Content**

- The climate system, climate definitions
- Climate classifications via different methods
- Climate Observations and networks, including in-situ and remote sensing

- Monitoring and assessment of climate variability at various time-scales (Monthly, seasonal, annual, decadal and multi-decadal),
- Using Climate Predictability Tool (CPT) for seasonal climate prediction
- Climate risk management and sector specific climate indices
- GIS applications for Climate Analysis (mapping, modeling, etc.)
- Climate change assessment and Regional Climate modeling and projections
- Eastern Mediterranean Climate Centre (EMCC)

### **Course Format**

The course will consist of presentations, hand-on data analysis and field trips.

### **INTERNET FACILITIES**

Wireless internet will be available. The password will be provided to the participants during the training.

### **Working Languages of the Course**

The Training Course will be conducted in English and all documentation will be in English. No translation/interpretation services will be provided.

### **Eligibility and Application**

This training course is open to researchers, engineers from climatological services, universities or research centers. Participants should have BSc or above in meteorology, climatology or related sciences and at least 3 years of experience with sufficient computer skills. The candidates will make an application via e-mail to the contact person.

**Deadline for application: 10 September 2018**

**Course Coordinator**



For any information regarding Regional Course and local logistics arrangements, participants may contact with

***Course Coordinator***

*For any information for local logistics and other arrangements, participants may contact with;*

***Ms. Nur Söğütçüklü***

*External Relations Division*

*Phone: 0090 312 302 27 94*

*E-mail: [nsogutcuklu@mgm.gov.tr](mailto:nsogutcuklu@mgm.gov.tr)*

***Technical Coordinator***

*For any information regarding the technical aspects of the course participants may contact with;*

***Mr. Serhat Şensoy***

*Climatology Division*

*Phone: 0090 535 972 33 05*

*E-mail: [ssensoy@mgm.gov.tr](mailto:ssensoy@mgm.gov.tr)*

**Required Documents for Application**

- 1- Official Letter: A letter signed by the Permanent Representative from your institution nominating you for the training course.
- 2- Application Form: This form should be filled by the participant and signed it by Permanent Representative from your institution and send with the official letter.
- 3- Photocopy of passport: to be submitted with the application form, if you possess your passport which you will carry when entering Turkey for this training. If not, you are requested to submit its photocopy as soon as you obtain it. \*Passport photocopy should include the following: Name. Date of Birth. Nationality. Sex. Passport number and Expire date.

**Training Course- Related Information**

Training Course will be held in Ankara Facilities of RTC Turkey, located on the following address:

***Kütükçü Alibey Caddesi No:4 06120 Kalaba, Keçiören/ANKARA***



### **Travel and Accommodation Arrangements**

As the host of the training, TSMS will arrange transportation to and from the Ankara Esenboğa airport to the Ankara Facilities of RTC Turkey and transportation for the field visits, accommodation and meals throughout the training (14-20 October 2018) and coffee breaks for participants. TSMS will also cover the tuition fee.

Please be informed that no per diem and travel costs will be paid and it is expected from participants to cover all of their domestic expenses in their own country (including their domestic travel expenses in their own countries, Visa fees, etc.)

**3<sup>rd</sup> INTERNATIONAL TRAINING COURSE ON CLIMATE ANALYSIS AND APPLICATIONS  
(Provisional Agenda)**

<b>Date Time</b>	<b>15 October Monday</b>	<b>16 October Tuesday</b>	<b>17 October Wednesday</b>	<b>18 October Thursday</b>	<b>19 October Friday</b>
<b>09:00</b>	Registration	Climate Monitoring/Assessment	Introduction to basic of Ozone & UV Radiation	Climate classifications via different methods	Climate Services Toolkit
<b>09:45</b>	Coffee Break				
<b>10:00</b>	Opening Ceremony	Climate Monitoring/Assessment	The Principle of Ozone & UV Observations.	Climate classifications via different methods	Risk and Sector Specific Climate Indices, CLIMPACT
<b>10:45</b>	Coffee Break				
<b>11:00</b>	RTC facility orientation	GIS application for Climate Analysis	Ozone Research	Climate Predictability Tool (CPT)	Risk and Sector Specific Climate Indices, CLIMPACT
<b>11:45</b>	Coffee Break				
<b>12:00</b>	Participant Self-Introduction	GIS application for Climate Analysis	Visit to Brewer and UV Biometer Site	Climate Predictability Tool (CPT)	Eastern Mediterranean Climate Center as Node of WMO RA VI RCC
<b>12:45-14:00</b>	Lunch				
<b>14:00</b>	Climate definitions	Urban Climatology,	Climate Observing systems	Regional Climate Modeling	The quality management and competencies for climate services
<b>14:45</b>	Coffee Break				
<b>15:00</b>	The Climate system	Urban Climatology,	Statistical Tools in Climate Applications	Regional Climate Modeling	National Climate Monitoring Products
<b>15:45</b>	Coffee Break				
<b>16:00</b>	Climate change impacts on water resources	Climate Data Management,	Statistical Tools in Climate Applications	Regional Climate Modeling	Needs to better climate information, Discussion/Remarks
<b>16:45</b>	Coffee Break				
<b>17:00</b>	Climate change impacts on water resources	Climate Data Management,	Climate Assessment Reporting	CM-SAF Climate monitoring,	Certificate ceremony

**3<sup>rd</sup> International Training Course on  
“Climate Analysis and Applications”  
15 – 19 October 2018, Ankara, Turkey**

**APPLICATION FORM**

**Note:** Please complete the form in **CAPITAL LETTERS**; get it scanned in PDF version, and send directly to the Ms. Nur Söğütçüklü (nsogutcuklu@mgm.gov.tr) by e-mail **with a passport copy and official letter signed by your PR** not later than **10 September 2018**.

1. Country:		Photo
2. Given name:		
3. FAMILY NAME:		
4. Gender:	<input type="checkbox"/> Female <input type="checkbox"/> Male	
5. Date of birth:		
6. Nationality:		
7. Passport number:		
8. Name of the Organization:		
9. Official address:		
10. Telephone number:		
11. E-mail address:		
12. Health condition:		

13. Details of contact person in case of emergency:	
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14. Qualification (certificates, diplomas, degrees):	
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15. English proficiency:	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Nil
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16. Current position and brief description of duties:	
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17. State why you wish to attend the course and indicate the practical use of the course to your work in the future:	
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18. Do you require travel support?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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19. Do you need an entry visa for Turkey? ( <a href="http://www.mfa.gov.tr/visa-information-for-foreigners.en.mfa">http://www.mfa.gov.tr/visa-information-for-foreigners.en.mfa</a> )	<input type="checkbox"/> Yes <input type="checkbox"/> No
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20. Departure City & Airport:

21. Declaration by applicant:

- I fully understand that the course organizer does not take any responsibility for risks such as loss of life, accidents, illness, loss of property etc.
- I hereby declare that the information given above is true, correct and complete. I shall bear the responsibility for the above information.
- I pledge to observe all the Turkish laws and will respect the local customs and follow the course regulations during my stay in Turkey for the training course.

Date:

Signature of applicant:

22. Statement by the Permanent Representative with WMO on why this nominee should be selected for this course:

- I endorse this application.

Date:

Signature of Permanent Representative:

### Contact Person Details

**Contact Person** : Ms. Nur Söğütçüklü  
**Telephone** : +90 312 302 27 94  
**E-mail** : nsogutcuklu@mgm.gov.tr  
**Address** : Kütükçü Alibey Mahallesi No:4 Keçiören / ANKARA

**To be returned to the Focal Point not later than 10 September 2018**